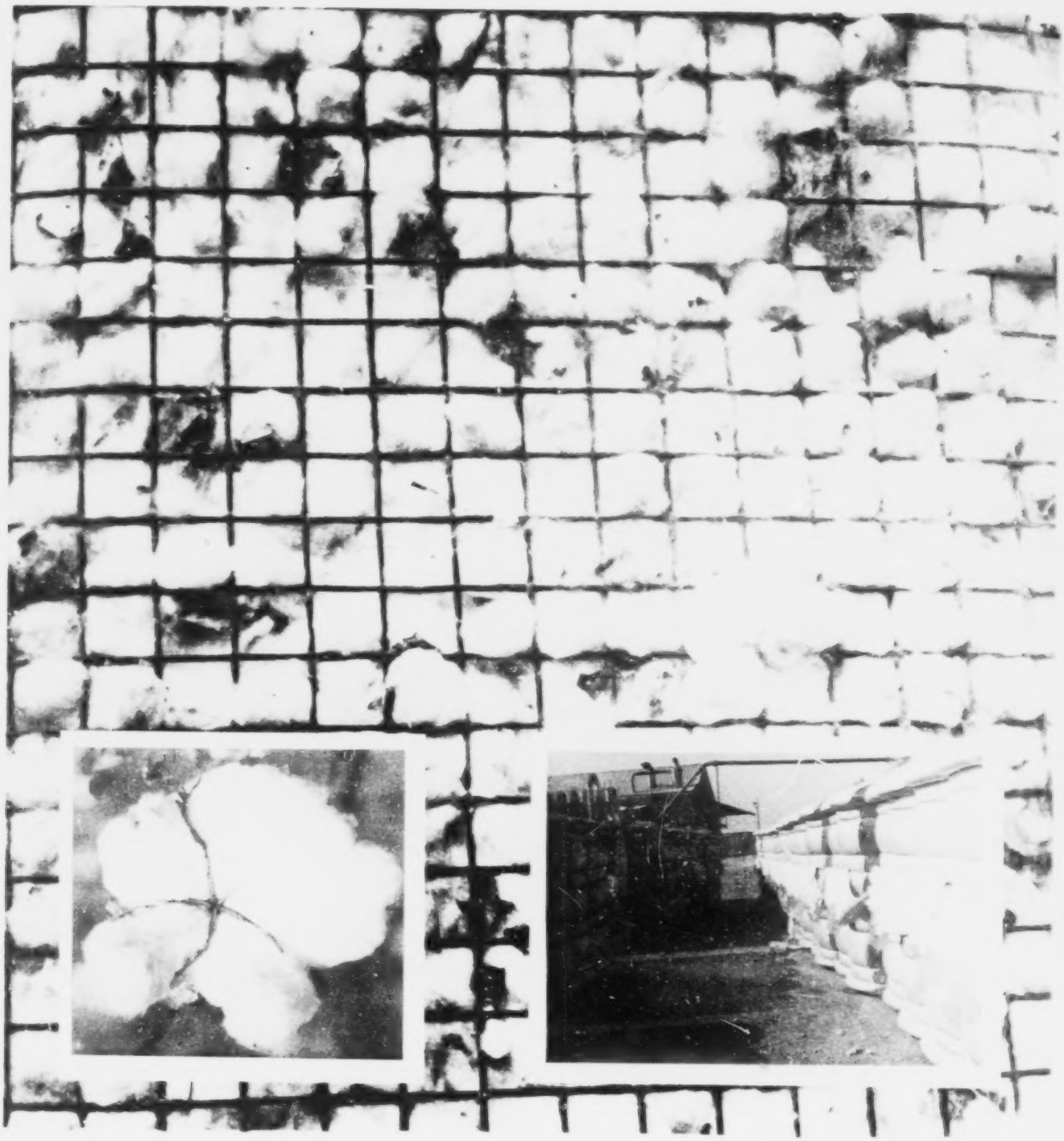
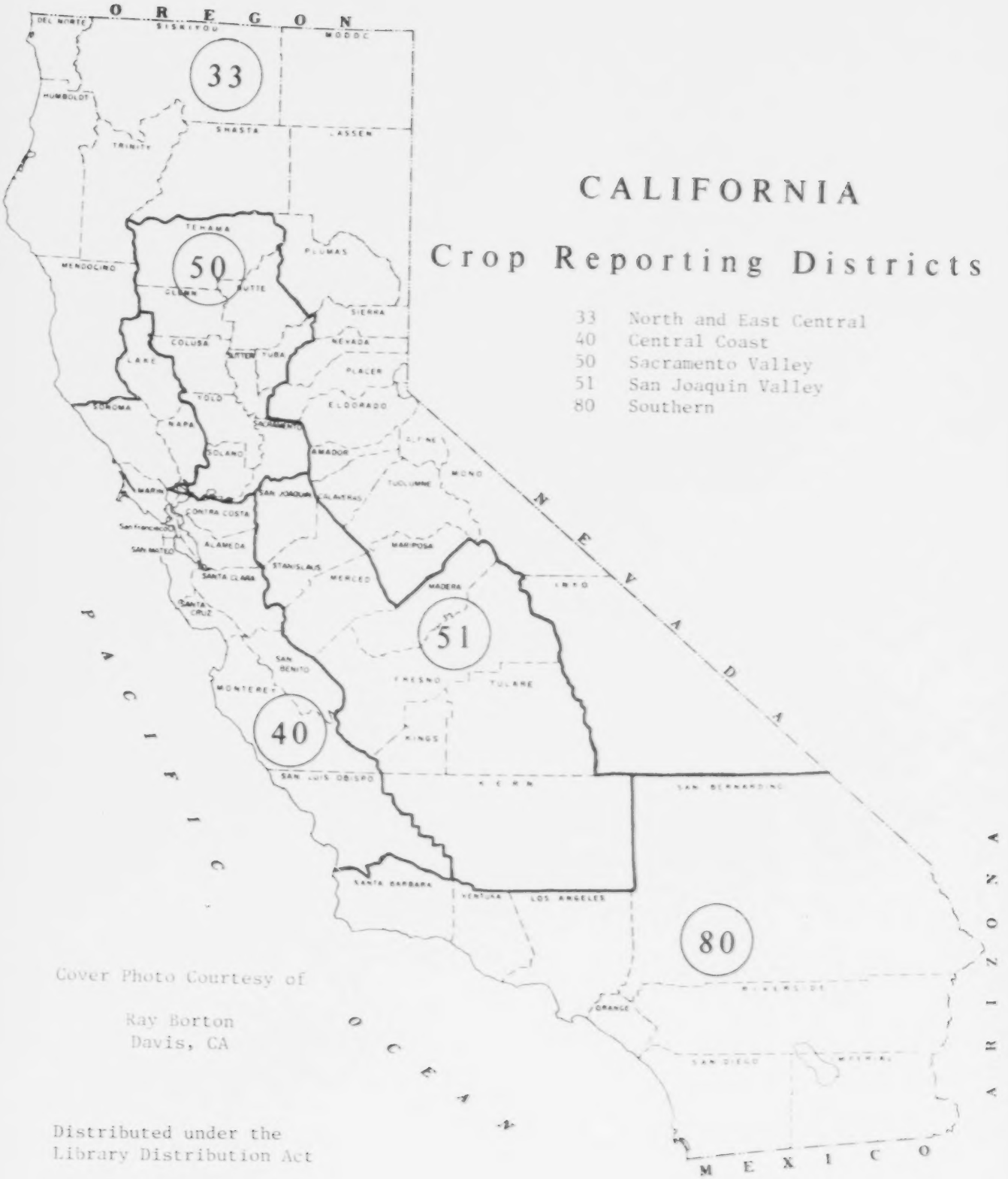
CALIFORNIA AGRICULTURE -- 1984



State of California
George Deukmejian, Governor

Department of Food and Agriculture
Clare Berryhill, Director



CALIFORNIA

Crop Reporting Districts

33 North and East Central
40 Central Coast
50 Sacramento Valley
51 San Joaquin Valley
80 Southern

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CALIFORNIA AGRICULTURE

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CALIFORNIA AGRICULTURE
(Statistical Review for 1984)

California again had the highest cash receipts in the nation for 1984. The total of $13.8 billion was up 2 percent from 1983 but less than the $14.4 billion received in 1982 and also below 1980 and 1981 cash receipts.

Crop production in 1984 was up largely due to increased field crop production following the 1983 Payment-In-Kind (PIK) program. Field crops production totaled 26.1 million tons, up 19 percent from 1983. Average value per acre of field crops produced was down 2 percent from 1983.

The 1984 fruit and nut crops production totaled 10.3 million tons, down nearly 8 percent from 1983. Even with the lower total production, many commodities sold for lower prices. Vegetable production reached a new record high. Cash receipts for vegetables were also up as growers increased production of higher value crops.

Cash receipts from all livestock, poultry, and apiary marketings increased nearly 6 percent during 1984. Small increases in cash receipts occurred in many of the commodity groups. Most of the increase was due to greater production and marketing.

FIELD CROPS: California's 1984 field crop production was 26.1 million tons. This is 19 percent above the 21.9 million tons produced in 1983, but 14 percent below the record 30.3 million tons produced in 1981. Only the barley, sweetpotato, and hops crops were smaller in 1984 than in 1983. Average value per acre, at $528 for 1984, was off 2 percent from the $538 per acre in 1983. Total value of field crop production reached $3.1 billion for 1984, 17 percent above the $2.7 billion realized in 1983.

FRUIT AND NUT CROPS: The total value of California's 1984 fruit and nut crops was estimated to be $2.7 billion, an 11 percent increase from the 1983 crop. Grapes continue to account for the largest percent of this estimate with $739 million in total value.

California's total fruit and nut production was estimated at 10.3 million tons, down 8 percent from the 1983 total. The 1984 total bearing acreage of 1,906,590 acres is the largest on record. Average per acre value of production was $1,400, down $100 from a year earlier.

Deciduous tree fruit production, at 2.03 million tons, was up 21 percent from 1983. Substantial increases in output were recorded for apricots, cherries, Clingstone peaches, and plums. Fruit crops showing a decline from last year were nectarines, prunes, pomegranates, raisins, and table grapes. The almond and pistachio crops were the largest recorded at 580 and 62 million pounds, respectively. Total grape production of 4.6 million tons was off 7 percent from 1983. The 1983-84 citrus crop harvest declined 30 percent with Valencia orange production down over 50 percent while the other citrus showed smaller declines.

Only moderate amounts of rain were received during the spring with temperatures generally warmer than normal. Deciduous fruit set was lighter than expected in some areas due to a lack of winterchill hours. Overall conditions were most favorable for bloom development, pollination and fruit set. Other than an occasional weather front bringing scattered showers and cooler temperatures, the warm, dry conditions continued into summer. Some wind damage was experienced in late spring. Starting in late June the interior valleys experienced one of the hottest summer seasons on record. The heat wave began June 22nd, lasting through July 20th, with 19 consecutive days exceeding temperatures of 100 degrees. The greatest impact of the heat was in advancing fruit and nut maturity by about two weeks. Heat damage was generally minimal. Weather through September was generally sunny and hot with only an occasional rain shower disrupting late harvesting. October through December was abnormally cool and wet.

VEGETABLE CROPS: California's vegetable crops in 1984 again set new record highs for acreage, production, and value. The record value of production at $3.1 billion was up 3 percent from 1983. Production, at 14.4 million tons, was 7 percent above 1983 and 5 percent above the previous record high. Harvested acreage for 1984, at over 980 thousand acres, was about 3 percent above last year.

Commodities showing the greatest increase in value from 1983 were strawberries, processing tomatoes, cauliflower, fresh market tomatoes, broccoli, and carrots. These gains were partially offset by decreased values for lettuce and celery. New record highs were posted in 1984 for values of broccoli, cantaloup, carrots, cauliflower, dry onions, strawberries, and fresh market tomatoes.

Production of broccoli, carrots, cauliflower, celery, dry onions, strawberries, and processing tomatoes showed an increase from 1983 with the broccoli, carrot, cauliflower, and strawberry crops setting production as well as value records.

Season average prices for cantaloup, carrots, and cauliflower were higher in 1984 than in 1983. Average prices of all other major vegetable crops were lower than the previous year. Average value of production per acre was $3,175 compared to $3,115 in 1983, thus showing the continued shift to higher value crops.

LIVESTOCK AND DAIRY: Cattle and calves totaled 4.96 million head on California farms and ranches January 1, 1985. The beef cow inventory increased slightly, however, beef cow replacements were down from last year. Dairy cow numbers at 974,000 continued to increase for the 8th year in a row and producers kept the dairy replacement heifer inventory at record high levels.

Sheep and lamb inventories at 1,065,000 were four percent lower than a year earlier. Both the stock sheep inventory and the number of sheep and lambs on feed for slaughter market were lower than last year.

The December 1, 1984 inventory of hogs and pigs at 140,000 showed a 10 percent decline from the previous year. Both breeding and market hog numbers declined.

Cash receipts from farm marketings of meat animals during 1984 totaled nearly $1.49 billion, up from last year but below 1982. Receipts from the sales of milk and cream during 1984 totaled $1.99 billion, up 2 percent from 1983.

POULTRY: California's egg production totaled 8.325 billion eggs during 1984 an increase of 10 percent from 1983. Eggs per layer decreased slightly, however, the number of layers during 1984 was larger. Broiler and fryer production at 175.5 million birds was up 2 percent from the previous year.

Cash receipts from farm marketing of chicken eggs in 1984 were $409 million, broilers $297 million, and turkeys $178 million.

CALIFORNIA FIRSTS

Some 200 crops are recognized in California, including seeds, flowers, and ornamentals. This report contains information for 58 major crops grown on a large commercial scale in California -- 13 field crops, 22 fruits and nuts, 21 vegetables, nursery products and cut flowers. In addition, data are shown for 9 livestock and poultry products.

The table below lists 54 commercial crop and livestock commodities in which California leads the Nation. A large number are specialty crops in which the Golden State accounts for most of the U. S. production.

CROP AND LIVESTOCK COMMODITIES IN WHICH CALIFORNIA LEADS THE NATION

Alfalfa Seed	Crenshaw Melons	Lettuce	Potted Plants
Almonds	Cut Flowers	Nectarines	Prunes
Apricots	Dates	Nursery Products	Rabbits
Artichokes	Eggs	Olives	Safflower
Asparagus	Figs	Onions	Spinach
Avocados	Garlic	Oriental Vegetables	Strawberries
Broccoli	Green Lima Beans	Peaches	Sudan grass
Brussels Sprouts	Grapes	Pears, Bartlett	Sugar beets
Cantaloups	Honey	Persian Melons	Tomatoes, Processing
Carrots	Honeydew Melons	Persimmons	Vegetable & flower seeds
Casaba Melons	Jojoba	Pigeons & Squabs	Walnuts
Cauliflower	Kiwifruit	Pistachios	Worms
Celery	Ladino Clover Seed	Plums	
Chinchillas	Lemons	Pomegranates	

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984

Commodity	National Ranking a/	California's Share of U.S. Production	Harvested Acreage	Production a/	Value b/	Rank Among All California Commodities b/		Harvest Season	Leading Counties a/
				Short Tons		1984	1983		
	Number	Percent	000 Acres	000 Tons	$1,000	- Number -			
Alfalfa Seed	1	49.6 c/	81.0	27.7	58,814	39	41	Aug. 15-Oct. 15	Fresno, Kings, Imperial, Kern
Almonds (Shelled)	1	100.0 c/	379.5	290.0	470,270	9	14	Aug. 15-Oct. 30	Kern, Stanislaus, Merced, Butte, Fresno
Apples	6	5.7	23.3	235.0	69,700	36	38	July 15-Oct. 30	Santa Cruz, Sonoma, Kern, San Joaquin, El Dorado
Apricots	1	96.7	22.0	123.0	33,595	46	47	June 1-July 25	Stanislaus, San Joaquin, San Benito, Merced, Contra Costa
Asparagus	1	b/	34.2	42.8	59,796	38	39	Feb. 15-June 30	San Joaquin, Monterey, Riverside
Avocados	1	90.1	72.9	246.0	91,020	33	32	Nov. 1-Oct. 31	San Diego, Ventura, Riverside, Santa Barbara, Orange
Barley	7	4.9	460.0	695.5	85,491	35	33	May 15-Oct. 1	Siskiyou, Fresno, San Luis Obispo, Kings, Modoc
Beans, Dry	3	14.9	184.0	155.0	90,801	34	35	Aug. 20-Nov. 15	Stanislaus, San Joaquin, Sutter, Fresno, Tulare
Broccoli	1	91.8	88.9	476.7	219,951	18	16	Continuous	Monterey, Santa Barbara, Imperial, San Luis Obispo, Ventura
Bushberries									
Boysenberries	b/	42.9 c/	0.6	2.0	2,005	65	66	June 1-June 30	Fresno, Stanislaus,
Olallieberries	b/	b/	0.2	0.8	1,290	66	68	June 1-Aug. 30	Santa Cruz, Monterey
Raspberries	b/	6.6 c/	0.3	1.1	3,962	63	64	June 1-July 31	Santa Cruz, Monterey
Carrots	1	52.3	41.3	591.4	144,694	25	24	Continuous	------
Desert	--	--	11.2	153.2	41,758	--	--	Continuous	Imperial, Riverside
Other	--	--	30.1	438.2	102,936	--	--	Continuous	Kern, Monterey, Santa Barbara, San Luis Obispo, Fresno
Cauliflower	1	72.2	42.7	233.8	136,323	27	27	Continuous	Monterey, Santa Barbara, Ventura, Imperial, San Luis Obispo

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984 (cont'd)

Commodity	National Ranking a/	California's Share of U.S. Production	Harvested Acreage	Production a/	Value b/	Rank Among All California Commodities b/		Harvest Season	Leading Counties a/
				Short Tons		1984	1983		
	Number	Percent	000 Acres	000 Tons	$1,000	- Number -			
Celery	1	71.7	24.1	738.0	179,615	20	18	------	------
Central Coast	--	--	9.9	285.2	46,746	--	--	Continuous	Monterey, Santa Barbara, San Luis Obispo
South Coast	--	--	14.2	452.8	132,869	--	--	Continuous	Ventura, Orange, San Diego
Cherries, Sweet	2	20.5	10.4	37.2	25,569	51	53	May 20-June 25	San Joaquin, Santa Clara, Stanislaus, San Benito, Contra Costa
Corn for Grain	22	0.7	375.0	1,428.0	170,850	22	23	Sep. 1-Dec. 1	San Joaquin, Sacramento, Solano, Yolo, Colusa
Corn, Sweet	9	2.3	14.2	76.1	22,201	52	51	May 1-Dec. 10	Riverside, Orange, Los Angeles
Cotton	2	--	---	---	1,064,151	3	4	------	Fresno, Kern, Kings, Tulare, Imperial
Lint	2	22.7	1,400.0	699.1	920,042	--	--	Oct. 1-Jan. 1	------
Seed	2	23.5	---	1,211.0	144,109	--	--	------	------
Dates	1	99.6 c/	4.3	22.5	18,360	55	58	Oct. 1-Dec. 15	Riverside, Imperial
Figs	1	99.9 c/	13.0	35.4	10,132	60	60	June 10-Sep. 15	Fresno, Madera, Merced
Flowers & Foliage d/e/	1	28.6 c/	--	--	524,371	8	8	Continuous	San Mateo, San Diego Monterey, Santa Cruz, Santa Barbara
Grapefruit	2	12.2	21.9	237.6	30,652	47	49	------	Riverside, San Diego, San Bernardino, Kern, Imperial
Desert	--	--	10.3	106.9	13,388	--	--	Nov. 15-June 10	------
Other	--	--	11.6	130.7	17,264	--	--	Mar. 20-Oct. 25	------
Grapes	1	89.8	670.8	4,640.0	847,902	4	3	------	------
Raisin Type	--	--	281.0	2,265.0	321,877	--	--	July 25-Oct. 20	Fresno, Tulare, Kern, Madera, Kings
Table Type	--	--	76.2	475.0	144,250	--	--	May 25-Nov. 5	Riverside, Tulare, Kern, Fresno, San Joaquin
Wine Type	--	--	313.6	1,900.0	381,775	--	--	Sep. 5-Oct. 30	Napa, Sonoma, Monterey, Fresno, San Joaquin

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984 (cont'd)

Commodity	National Ranking a/	California's Share of U.S. Production	Harvested Acreage	Production a/	Value b/	Rank Among All California Commodities b/		Harvest Season	Leading Counties a/
				Short Tons		1984	1983		
	Number	Percent	000 Acres	000 Tons	$1,000	- Number -			
Hay	4	5.2	1,530.0	7,854.0	651,882	6	5	Mar. 1-Nov. 5	Imperial, Tulare, Fresno, Kern, Merced
Hops	4	0.4	0.1	0.1	516	68	65	Aug. 15-Sep. 30	Sacramento
Kiwifruit	1	100.0 c/	3.7	18.0	17,729	56	54	Sep. 15-Dec. 28	Butte, Tulare, Kern, Yuba, Kings
Lemons	1	81.2	51.4	655.5	96,158	32	34	Continuous	Ventura, Riverside, Tulare, San Diego, Santa Barbara
Lettuce	1	71.3	150.2	2,296.9	540,490	7	7	Continuous	Monterey, Imperial, Fresno, San Luis Obispo, Kern
Melons									
Cantaloup	1	b/	65.4	457.8	125,437	26	26	May 15-Nov. 30	Fresno, Imperial, Merced, Riverside
Honeydew	1	69.1	16.3	138.6	36,300	45	45	June 10-Oct. 31	Yolo, Fresno, Stanislaus, Imperial, Sutter
Persian	1	b/	0.4	2.8	1,081	67	67	June 25-Oct. 31	Stanislaus, Sutter
Mushrooms, All	2	19.0	0.6	54.3	106,967	30	30	Continuous	Monterey, Santa Clara, Santa Cruz, Orange
Nectarines	1	96.7 c/	22.9	183.0	41,692	44	37	June 15-Aug. 10	Fresno, Tulare, Kern, Kings, Madera
Nursery Products d/ f/	1	27.6 c/	--	---	720,149	5	6	Continuous	Los Angeles, Orange, Kern San Diego, Ventura
Oats	19	0.7	50.0	55.2	7,590	62	61	June 15-Oct. 1	Siskiyou, Riverside, San Joaquin, Sonoma, San Luis Obispo
Olives	1	99.9 c/	33.9	91.7	48,315	42	44	Oct. 1-Feb. 15	Tulare, Kern, Madera, Tehama, Glenn
Onions	1	30.2	34.6	627.7	111,623	29	29	Apr. 1-Oct. 31	Fresno, Kern, Imperial, Riverside
Oranges	2	28.5	177.5	1,811.3	401,919	12	11	------	Tulare, Fresno, Riverside, Kern, Ventura
Navel & Misc.	--	--	109.5	1,248.8	185,944	--	--	Nov. 10-May 15	Tulare, Fresno, Kern, Riverside, San Bernardino

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984 (cont'd)

Commodity	National Ranking a/	California's Share of U.S. Production	Harvested Acreage	Production a/	Value b/	Rank Among All California Commodities b/		Harvest Season	Leading Counties a/
				Short Tons		1984	1983		
	Number	Percent	000 Acres	000 Tons	$1,000	- Number -			
Oranges (cont.) Valencia	--	--	68.0	562.5	216,075	--	--	May 10-Oct. 10	Tulare, Ventura, Riverside, San Diego, Orange
Peaches	1	56.2	54.5	743.5	140,534	26	28	------	Fresno, Stanislaus, Tulare, Sutter, Merced
Clingstone	--	--	28.7	521.0	96,600	--	--	July 15-Sep. 15	Stanislaus, Sutter, Yuba, Merced, San Joaquin
Freestone	--	--	25.8	222.5	43,934	--	--	May 10-Sep. 25	Fresno, Tulare, Kern, Kings, Merced
Pears	1	43.8	25.7	313.0	49,813	41	42	Aug. 1-Oct. 5	Lake, Sacramento, Mendocino, Yuba, Solano
Peppers, Chili	b/	b/	3.9	10.1	11,451	59	59	Sep. 15-Dec. 15	Monterey, Santa Barbara, Fresno, Kings
Pistachios	1	99.9 c/	30.6	31.0	59,910	37	43	Sep. 15-Dec. 10	Kern, Madera, Kings, Merced, Tulare
Plums	1	91.5 c/	34.2	225.0	47,796	43	36	May 25-Aug. 30	Tulare, Fresno, Kern, Kings, Placer
Pomegranates	1	100.0 c/	3.5	17.0	3,254	64	63	Sep. 15-Nov. 15	Tulare, Fresno, Kings, Madera
Potatoes	3	6.3	60.4	1,138.4	241,683	16	17	Continuous	------
Winter	1	55.2	5.6	72.8	13,468	--	--	Nov. 20-Apr. 20	Riverside, Kern
Spring	1	46.7	28.5	555.8	133,380	--	--	Apr. 15-Aug. 15	Kern
Summer	1	12.7	8.1	145.8	35,867	--	--	June 15-Aug. 25	Riverside, San Joaquin
Fall	10	2.0	18.2	364.0	58,968	--	--	July 15-Oct. 15	Siskiyou, Modoc, Monterey
Prunes, Dried Basis	1	100.0	66.5	140.0	102,860	31	31	Aug. 15-Oct. 10	Sutter, Yuba, Butte, Tehama, Glenn
Rice	2	22.1	430.0	1,514.2	249,229 1/	15	19	Sep. 1-Nov. 30	Colusa, Butte, Sutter, Glenn
Safflower	1	75.9 c/	109.0	110.0	28,380	48	55	July 1-Sep. 15	Kings, Yolo, Fresno
Sorghum Grain	17	0.5	48.0	110.2	11,690	58	57	Sep. 15-Nov. 25	Sutter, Tulare, Kern, Sacramento, Yolo

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984 (cont'd)

Commodity	National Ranking a/	California's Share of U.S. Production	Harvested Acreage	Production a/	Value b/	Rank Among All California Commodities b/		Harvest Season	Leading Counties a/
				Short Tons		1984	1983		
	Number	Percent	000 Acres	000 Tons	$1,000	- Number -			
Strawberries	1	76.2	13.3	375.8	317,453	13	12	Feb. 20-Nov. 15	Monterey, Orange, Ventura
Fresh Market	1	79.1	--	294.0	288,653	--	--	------	------
Processing	1	67.4	--	81.8	28,794	--	--	------	------
Sugar Beets	1	23.2	208.0	5,138.0	206,548 h/	19	20	Apr. 1-Dec. 10	Imperial, San Joaquin, Solano, Fresno, Merced
Sweetpotatoes	3	12.5	9.0	81.0	22,032	53	50	July 15-Nov. 15	Merced, Fresno
Tangerines, Tangelos, & Tangors	2	38.5	8.8	1.0	13,617	57	56	Nov. 1-Mar. 31	Riverside, Tulare, Kern, San Diego, Imperial
Tomatoes	1	76.7	269.1	6,901.8	584,650	--	--	------	------
Fresh Market	2	23.5	29.4	310.1	157,505	24	21	Apr. 15-Dec. 31	San Joaquin, Fresno, Merced
Processing	1	89.9	239.7	6,591,750.0	427,145	10	9	June 20-Nov. 10	Fresno, Yolo, San Joaquin Sutter, Colusa
Vegetables, Misc. k/	--	--	165.0	1,327.0	544,000	--	--	------	------
Walnuts	1	99.2 c/	178.0	213.0	160,602	23	25	Sep. 25-Oct. 30	San Joaquin, Stanislaus, Tulare, Butte, Sutter
Wheat	15	2.4	784.0	1,855.2	223,242	17	15	May 20-Sep. 1	Imperial, Fresno, Sutter, Yolo, Kern

CALIFORNIA'S AGRICULTURAL COMMODITIES: Commodity Ranking, Acreage, Production, Value, and Leading Producing Counties, 1984 (cont'd)

Commodity	National Ranking	California's Share of U.S. Production	Production a/	Value b/	Rank Among All California Commodities b/		Leading Counties a/
					1984	1983	
	Number	Percent	1,000 Pounds	$1,000	- Number -		
Cattle and Calves	7	4.8	2,629,500	1,416,141	2	2	Imperial, Fresno, Tulare, Merced, Stanislaus
Chickens	8	4.9	910,824	304,989	14	13	Stanislaus, Merced, San Bernardino, Los Angeles, San Joaquin
Broilers and Fryers	9	4.7	824,704	296,894	--	--	------
Other	3	8.0	86,120	8,095	--	--	------
Eggs, Chicken	1	12.2	8,325 g/	408,821	11	10	Riverside, San Diego, San Bernardino, Stanislaus, San Joaquin
Hogs and Pigs	30	0.2	53,872	26,811	50	46	Tulare, Merced, Stanislaus, Butte, Fresno
Apiary							
Pollination d/	h/	--	31,547	27,856	49	48	Fresno, Kern, Stanislaus, Merced, Kings
Honey & Beeswax d/	h/	16.6 c/	---	19,625	54	52	Tulare, Kings, Imperial, Fresno, Kern
Milk and Cream	2	11.4	15,212	1,986,376	1	1	San Bernardino, Tulare, Stanislaus, Merced Riverside
Sheep and Lambs	2	9.9	93,344	51,209	40	40	Kern, Imperial, Solano, Tehama, Merced,
Turkeys	3	12.5	424,195	178,162	21	22	Fresno, Madera, Merced, Stanislaus, Kings
Wool	2	10.0	9,382	7,599	61	62	Kern, Imperial, Tehama, Merced, Fresno

a/ Based on quantity produced for crops and on quantity marketed for livestock and poultry products.
b/ Based on value of quantity harvested for crops and on value of quantity marketed for livestock and poultry products.
c/ Share of U.S. production based on 1982 Census of Agriculture.
d/ Extracted from Agricultural Commissioners' Annual Crop Reports.
e/ Includes cut flowers, potted plants, foliage plants, bedding plants, and indoor decoratives.
f/ Includes trees, shrubs, vines, bulbs, turf, and cut Christmas trees, etc., not included in flowers and foliage category.
g/ Millions of eggs.
h/ Not available.
i/ The 1984 price and value are based on U.S. average price.
j/ Value of production based on 1983 price.
k/ Miscellaneous vegetables cover a number of other vegetable crops not published separately. Some of the crops included in this group are green onions, Oriental vegetables, parsley, pumpkins, radishes, squash, etc.

STATE COMMODITY RANKING: California's "Top Twenty" crop and livestock commodities account for about 78 percent of the State's gross farm income. In 1984, dairy products, cattle and calves, and eggs continued to dominate the livestock industry, while cotton, grapes, nursery products, hay, lettuce, and flowers and foliage were the most important crops.

California agriculture is considered one of the most diversified in the world, with no one crop dominating the State's farm economy. This is illustrated by the fact that most crops individually account for less than 2 percent of the State's total gross farm income. California leads the Nation by a wide margin in the production of fruits and nuts and vegetables. California accounts for 50 percent of the Nation's cash receipts for fruits and nuts, while for vegetables, its share is about 49 percent.

RANKING AND VALUE, 20 LEADING FARM PRODUCTS, CALIFORNIA, 1983-84

Farm Product	Commodity Ranking		Value a/		Percentage of State Total	
	1983	1984	1983	1984	1983	1984
	- Number -		- 1,000 Dollars -		- Percent -	
Milk and Cream	1	1	1,944,762	1,986,376	14.8	13.6
Cattle and Calves	2	2	1,325,141	1,416,141	10.1	9.7
Cotton	4	3	822,087	1,064,151	6.3	7.3
Grapes	3	4	947,894	847,902	7.2	5.8
Nursery Products	6	5	547,438	720,149	4.2	4.9
Hay	5	6	665,356	651,882	5.1	4.5
Lettuce	7	7	541,803	540,490	4.1	3.7
Flowers and Foliage	8	8	470,021	524,371	3.6	3.6
Almonds	14	9	231,920	470,270	1.8	3.2
Tomatoes, Processing	9	10	392,422	427,145	3.0	2.9
Eggs, Chicken	10	11	371,417	408,821	2.8	2.8
Oranges	11	12	316,699	401,919	2.4	2.8
Strawberries	12	13	279,283	317,453	2.1	2.2
Chickens	13	14	258,018	304,989	2.0	2.1
Rice	19	15	160,699	249,229	1.2	1.7
Potatoes	17	16	183,231	241,683	1.4	1.7
Wheat	15	17	187,916	223,242	1.4	1.5
Broccoli	16	18	183,810	219,951	1.4	1.5
Sugar Beets	20	19	158,308	206,548	1.2	1.4
Celery	18	20	162,376	179,615	1.2	1.2

a/ Based on value of quantity harvested for crops and on value of quantity marketed for livestock and poultry products.

PRINCIPAL GROUPINGS: The combined acreage of principal crops in 1984 totaled 8.8 million acres, 13 percent above the acres harvested in 1983. The largest gain occurred in field crops (19 percent) while both fruit and nut crops, and vegetable and melon crops increased by 3 percent. California's harvested farm production in 1984 was 50.9 million tons, up 9 percent from 1983's 46.6 million tons.

ACREAGE AND PRODUCTION BY PRINCIPAL GROUPINGS FOR CALIFORNIA, 1982-84

	Field Crops	Fruit and Nut Crops	Vegetables and Melons	Total
	Acres			
Acreage Harvested				
1982	6,283,900	1,817,366	941,847	9,043,113
1983	4,971,000	1,855,445	952,706	7,779,151
1984	5,919,000	1,906,590	980,471	8,806,061
	Short Tons			
Production				
1982	26,036,900	11,312,100	13,749,400	51,098,400
1983	21,901,000	11,198,600	13,459,600	46,559,200
1984	26,114,000	10,328,700	14,424,650	50,867,350

NUMBER OF FARMS AND LAND VALUES: California, which is the second largest State in the conterminous United States with a land area of 100.2 million acres, had an estimated 33.0 million acres in farms in 1984. California farmers produced about 10 percent of the national gross cash receipts from farming in 1984. This production was realized from 78,000 farms, or 3 percent of the Nation's total (based on the definition of places with annual sales of agricultural products of $1,000 or more).

The average California farm had 423 acres as estimated in 1984. At that time, the estimated value (including buildings) was $1,918 per acre. This value has declined in 1985 to $1,726 per acre. Nationally the average farm size was 437 acres in 1984 and the average value (including buildings) has declined from $782 to $679 per acre.

CALIFORNIA: Market value of farm real estate per acre, by region, 1976-85 a/

Land Use and Region	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
	Dollars									
IRRIGATED										
Truck and Vegetables										
North & East Central	---	---	---	---	---	---	---	2,470	2,430	2,071
Central Coast	---	---	---	4,200	4,900	5,890	6,380	6,410	6,280	5,550
Sacramento Vly.	1,520	1,680	1,970	2,280	2,820	3,384	3,650	3,660	3,370	2,599
San Joaquin Vly.	1,680	1,900	2,265	2,650	3,545	4,190	4,570	4,660	4,360	3,231
So. California	---	---	---	4,200	4,670	6,180	6,600	6,800	6,900	5,167
Intensive Field Crops b/										
North & East Central	---	---	---	1,400	1,700	2,020	2,100	2,030	1,720	---
Central Coast	---	---	---	2,440	2,870	3,210	3,400	3,365	3,225	---
Sacramento Vly.	1,310	1,500	1,710	1,900	2,540	2,900	3,260	3,200	3,110	---
San Joaquin Vly.	1,440	1,630	1,860	2,260	3,010	3,590	3,920	4,140	3,770	---
So. California	---	---	---	2,400	2,880	3,580	3,700	3,640	3,670	---
Cotton										
San Joaquin Vly.	---	---	---	---	---	---	---	---	---	2,829
So. California	---	---	---	---	---	---	---	---	---	2,747
Rice										
Sacramento Vly.	---	---	---	---	---	---	---	---	---	1,824
San Joaquin Vly.	---	---	---	---	---	---	---	---	---	1,957
Extensive Field Crops c/										
North & East Central	---	---	---	1,050	1,220	1,610	1,700	1,780	1,700	1,530
Central Coast	---	---	---	1,580	2,090	2,820	3,100	2,760	2,610	2,537
Sacramento Vly.	1,080	1,210	1,460	1,660	2,210	2,570	2,850	2,700	2,730	2,255
San Joaquin Vly.	1,310	1,300	1,620	1,970	2,680	3,180	3,640	3,750	3,500	2,887
So. California	---	---	---	2,300	2,890	3,350	3,460	3,640	3,550	2,920
Pasture										
North & East Central	590	700	730	830	1,000	1,350	1,400	1,500	1,370	1,337
Central Coast	1,180	---	---	1,750	1,830	2,090	2,200	2,300	2,190	2,250
Sacramento Vly.	770	945	1,040	1,500	1,595	1,980	2,060	1,960	1,950	1,620
San Joaquin Vly.	980	1,080	1,165	1,550	1,970	2,140	2,420	2,530	2,310	2,089
So. California	---	---	---	2,000	2,330	2,410	---	---	---	2,257
NONIRRIGATED										
Cropland										
North & East Central	450	400	465	600	620	710	850	870	840	819
Central Coast	770	640	610	790	1,000	1,360	1,500	1,490	1,550	1,421
Sacramento Vly.	555	600	700	880	1,140	1,320	1,400	1,470	1,490	961
San Joaquin Vly.	570	680	800	960	1,210	1,480	1,710	1,600	1,560	1,167
So. California	---	---	---	1,800	---	---	---	---	---	1,928
Pasture										
North & East Central	370	405	400	540	580	630	700	700	630	702
Central Coast	580	---	---	680	780	940	990	1,000	1,090	950
Sacramento Vly.	420	465	530	700	810	1,050	1,120	1,030	1,070	920
San Joaquin Vly.	470	570	570	775	845	1,050	1,310	1,210	1,120	948
Rangeland d/										
North & East Central	270	255	270	300	320	400	450	460	540	408
Central Coast	350	---	---	460	570	670	700	650	690	750
Sacramento Vly.	280	250	320	430	460	500	650	660	610	650
San Joaquin Vly.	300	330	360	520	550	620	770	700	740	693

a/ See Crop Reporting districts on inside front cover.
b/ Includes land used for cotton, sugar beets, rice, etc. Rice and cotton published separate beginning 1985.
c/ Includes land used for barley, beans, corn, and sorghum. Beginning 1985 includes land used for alfalfa, wheat, barley, sugar beets, beans, and corn.
d/ Unimproved.

CALIFORNIA: Market value per acre of orchards, vineyards, and groves, by region, 1976-1985 a/

Crop & Region	Year									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
	Dollars									
Almonds										
Sacramento Vly.	2,700	2,600	3,250	3,850	5,150	5,600	5,940	7,080	5,880	4,560
San Joaquin Vly.	3,300	3,500	4,500	5,600	8,050	8,300	8,570	7,390	6,520	5,630
English Walnuts										
Central Coast	3,100	3,200	3,200	4,300	6,200	8,200	8,500	8,330	---	---
Sacramento Vly.	2,900	2,950	3,550	4,400	5,700	7,150	8,750	7,990	7,420	5,980
San Joaquin Vly.	3,000	3,300	3,950	5,200	6,800	8,300	8,780	8,380	7,840	5,970
Apples										
Central Coast	---	---	---	7,950	8,400	8,900	9,600	---	---	---
San Joaquin Vly.	---	---	---	---	---	---	---	---	---	5,810
Apricots										
Central Coast	---	---	---	---	6,000	8,200	---	---	---	---
San Joaquin Vly.	2,850	2,950	3,350	4,350	6,300	7,450	7,270	7,340	6,990	5,080
Avocados										
San Joaquin Vly.	---	---	---	---	8,600	9,290	---	---	---	---
So. California	8,950	9,200	9,950	12,700	17,200	18,300	17,720	17,030	16,905	13,970
Nectarines										
Sacramento Vly.	---	---	---	---	---	---	8,970	8,500	7,470	6,090
Olives										
San Joaquin Vly.	---	---	---	3,800	4,250	5,400	5,800	---	---	5,230
Peaches										
Sacramento Vly.	2,150	2,250	3,000	4,050	4,850	5,600	5,940	5,590	5,480	4,840
San Joaquin Vly.	2,950	3,100	3,900	5,750	7,800	8,300	8,570	7,410	6,850	5,870
Pears										
Central Coast	3,650	3,600	---	4,850	6,000	8,000	7,700	7,440	5,100	---
Sacramento Vly.	2,900	3,050	3,050	4,200	4,750	5,620	5,280	5,350	4,735	3,300
Plums										
San Joaquin Vly.	2,850	3,350	4,450	6,000	8,300	8,900	9,770	8,770	8,030	5,940
Prunes										
Central Coast	3,500	3,650	---	5,050	5,900	7,870	8,300	8,200	8,070	---
Sacramento Vly.	2,200	2,500	2,950	3,650	4,400	5,350	5,930	5,690	5,330	4,600
San Joaquin Vly.	---	---	---	---	5,950	7,450	7,770	---	---	4,860
VINEYARDS										
Raisin Varieties										
San Joaquin Vly.	2,800	3,500	4,950	6,900	10,150	10,200	10,840	9,460	6,580	4,520
Table Varieties										
San Joaquin Vly.	2,750	3,450	4,650	6,500	9,300	9,350	9,560	9,920	7,810	5,550
Wine Varieties										
Central Coast	4,150	6,250	7,900	8,900	10,300	14,250	15,840	15,230	16,640	14,790
San Joaquin Vly.	2,500	3,200	4,200	6,400	7,900	8,250	9,770	8,060	6,380	4,680
CITRUS										
Grapefruit										
San Joaquin Vly.	---	---	---	---	6,100	6,780	---	---	---	---
So. California	---	---	---	6,200	8,500	10,500	9,870	9,560	8,900	9,840
Lemons										
San Joaquin Vly.	3,400	3,350	3,300	4,250	5,900	6,950	6,440	6,850	6,610	5,540
So. California	6,250	6,050	7,150	8,600	11,900	15,250	14,110	13,860	13,020	13,020
Navel Oranges										
San Joaquin Vly.	3,250	3,150	3,550	4,850	6,350	6,950	7,410	7,510	8,070	7,880
So. California	5,150	5,250	6,400	7,200	8,600	11,250	11,400	10,100	11,180	11,810
Valencia Oranges										
San Joaquin Vly.	3,000	2,950	3,450	4,650	6,150	6,900	7,260	7,830	7,900	8,010
So. California	4,950	4,950	6,300	7,550	9,100	11,400	12,030	11,110	11,880	11,460
Tangerines										
San Joaquin Vly.	---	---	---	---	---	6,700	6,530	6,670	7,820	---

a/ Excluding nonbearing acreage and farm buildings. See Crop Reporting districts on inside front cover.

PRICES RECEIVED FOR FIELD CROPS, CALIFORNIA

Year and Month	Wheat per cwt.	Oats per cwt.	Barley per cwt.	Sorghum Grain per cwt.	Dry Beans per cwt.	Potatoes per cwt.	All Hay per ton	Alfalfa Hay per ton	Cotton per lb.
	Dollars								
1984 January	7.27	7.00	6.88	6.79	32.70	9.40	92.00	94.00	.764
February	7.15	7.69	7.29	---	31.80	9.75	95.00	98.00	.733
March	6.75	6.56	7.33	6.49	31.50	9.95	90.00	93.00	.781
April	6.75	6.34	6.42	6.25	31.10	9.45	88.00	91.00	.724
May	6.33	6.59	6.56	6.14	37.20	9.80	94.00	96.00	.767
June	6.45	6.59	6.71	6.49	35.20	10.60	88.00	92.00	.703
July	5.93	7.94	6.69	6.45	34.10	14.40	74.00	75.00	.636
August	6.05	5.97	5.52	5.20	32.20	13.70	75.00	76.00	.496
September	6.00	6.19	5.08	5.10	32.40	10.80	77.00	77.00	.629
October	6.38	5.81	5.50	5.32	28.70	9.35	75.00	76.00	.677
November	6.47	6.50	5.46	5.11	29.70	8.35	84.00	85.00	.677
December	6.18	7.19	5.58	5.50	28.00	8.40	95.00	96.00	.649
1984 Average	6.02	6.88	6.15	5.30	29.20	10.70	83.00	---	.658
1983 Average	6.73	7.03	6.77	6.55	32.00	9.20	99.50	---	.728
1982 Average	6.27	6.97	5.73	4.82	23.30	8.90	86.50	---	.669

PRICES RECEIVED FOR FRUIT CROPS, CALIFORNIA (Grower Return Basis)

Year and Month	Apples Fresh per lb.	Peaches Fresh per lb.	Pears Fresh per lb.	Navel Oranges Fr. per box	Valencia Oranges Fr. per box	Grapefruit Fresh per box	Lemons Fresh per box	Tangerines Fresh per box
	Dollars							
1984 January	.220	---	---	7.98	3.86	7.18	3.82	15.80
February	.220	---	---	6.88	9.14	6.98	3.92	14.50
March	.220	---	---	6.28	10.64	5.44	4.92	10.80
April	.220	---	---	6.58	11.44	6.68	6.62	10.30
May	---	.160	---	7.58	15.34	7.56	11.92	12.20
June	---	.160	---	---	16.44	6.25	19.52	12.20
July	---	.075	---	---	17.34	6.70	18.12	12.20
August	.233	.050	.070	---	18.34	6.22	12.72	---
September	.322	.100	.085	---	17.20	6.30	17.02	---
October	.282	---	.088	---	20.16	7.30	13.80	---
November	.258	---	.123	15.74	18.38	7.42	10.30	24.32
December	.235	---	---	13.36	---	8.32	8.10	22.80
1984 Average a/	---	.110	.088	7.28	17.14	6.70	10.32	13.80
1983 Average a/	.224	.127	.105	6.24	5.86	5.46	9.36	10.80
1982 Average a/	.210	.124	.082	8.88	14.04	5.28	10.58	11.60

PRICES RECEIVED FOR LIVESTOCK AND LIVESTOCK PRODUCTS, CALIFORNIA

Year and Month	All Beef Cattle per cwt.	Cows per cwt.	Steers & Heifers per cwt.	Calves per cwt.	Lambs per cwt.	Milk Sold to Plants per cwt.	Broilers per lb.	Turkeys per lb.	Market Eggs per doz.
	Dollars								
1984 January	53.20	38.30	63.30	58.40	60.60	13.18	.370	.380	.780
February	55.00	40.20	63.90	57.90	60.00	13.04	.370	.380	.750
March	55.80	42.20	64.70	57.70	59.60	12.82	.370	.370	.650
April	56.50	42.50	64.00	59.00	61.30	12.66	.380	.380	.780
May	54.30	40.30	60.90	55.40	58.90	12.49	.350	.380	.540
June	52.80	40.00	57.60	55.10	56.70	12.43	.350	.380	.440
July	53.10	40.00	59.50	56.30	58.60	12.57	.350	.380	.410
August	54.50	40.20	60.70	53.80	59.10	12.48	.340	.380	.440
September	52.40	38.70	58.90	55.20	60.00	12.72	.310	.380	.420
October	52.40	37.20	59.00	55.90	60.80	13.14	.350	.440	.430
November	52.50	35.60	61.00	56.30	60.90	13.44	.390	.500	.500
December	52.70	36.20	60.60	55.80	60.20	13.35	.350	.550	.540
1984 Average	53.80	39.40	61.00	56.30	59.70	12.85	.360	.420	.570
1983 Average	53.30	39.30	59.80	57.10	56.40	13.06	.320	.350	.526
1982 Average	54.40	39.70	61.10	55.70	54.50	13.21	.330	.390	.505

a/ Citrus and apple averages based on a marketing year; peaches and pears on a calendar year.

California's Leading Agricultural Counties a/
By Total Value of Production - 1984

Rank 1984	Rank 1983	County	Value of Production - 000 Dollars -
1	1	Fresno	1,924,105
2	2	Tulare	1,389,272
3	3	Kern	1,197,364
4	4	Monterey	1,002,778
5	5	Riverside	993,989
6	8	Merced	840,026
7	7	Stanislaus	805,206
8	6	Imperial	762,291
9	9	San Joaquin	712,318
10	12	Ventura	580,676
11	11	Kings	569,716
12	10	San Bernardino	558,533
13	13	San Diego	499,718
14	15	Madera	337,332
15	14	Santa Barbara	324,488
16	16	Los Angeles	303,425
17	18	Orange	269,815
18	19	Sutter	261,692
19	20	Sonoma	216,124
20	17	San Luis Obispo	209,153
21	22	Yolo	204,257
22	26	Butte	188,627
23	21	Sacramento	181,517
24	23	San Mateo	173,345
25	25	Santa Cruz	156,603
26	24	Siskiyou	150,549
27	28	Glenn	149,030
28	30	Colusa	140,815
29	27	Solano	140,630
30	29	Santa Clara	139,452
31	31	San Benito	106,099
32	33	Napa	84,826
33	34	Tehama	77,901
34	36	Yuba	77,291
35	32	Modoc	74,153

a/ Does not include value of timber products.

SOURCE: California Agricultural Commissioners' Annual Crop Reports.

TOP 20 STATES IN 1984 CASH FARM RECEIPTS

Rank 1984	Rank 1983	State	Cash Receipts - 000 Dollars -
1	1	California	13,772,424
2	3	Texas	9,718,454
3	2	Iowa	9,313,771
4	4	Illinois	6,816,840
5	6	Nebraska	6,571,548
6	5	Minnesota	6,083,452
7	7	Kansas	5,899,807
8	8	Wisconsin	5,230,643
9	9	Florida	4,845,146
10	12	North Carolina	4,163,435
11	19	Colorado	3,997,041
12	10	Indiana	3,989,414
13	11	Missouri	3,875,861
14	13	Ohio	3,645,120
15	14	Georgia	3,526,332
16	17	Arkansas	3,117,107
17	18	Pennsylvania	3,038,886
18	15	Washington	2,978,500
19	16	Michigan	2,793,871
20	24	South Dakota	2,726,086
		TOTAL U.S.	141,397,683

SOURCE: USDA, ERS, Economic Indicators of the Farm Sector.

CALIFORNIA: Number of Farms, Land in Farms, and Size of Farm - 1950-1984

Year	Number of Farms	Land in Farms - 000 Acres -	Average Size of Farm - Acres -
1950 a/	144,000	37,500	260
1955	124,000	39,000	316
1960	108,000	38,800	359
1965	82,000	37,800	461
1970	64,000	36,600	572
1975 b/	73,000	34,300	470
1980	81,000	33,800	417
1981	83,000	33,600	405
1982	82,000	33,400	407
1983	80,000	33,200	415
1984 c/	78,000	33,000	423

a/ Old definition of farm: Places of 10 or more acres that had annual sales of agricultural products of $50 or more and places of less than 10 acres that had annual sales of $250 or more.

b/ New definition of farm: Places with annual sales of agricultural products of $1,000 or more.

c/ Preliminary.

1983-84 AND 1984-85 SEASON RAINFALL, WITH COMPARISONS TO NORMAL

California Stations	1983-84 Precipitation July 1 to June 29	1983-84 Percent of Normal	1984-85 Precipitation July 1 to June 28	1984-85 Percent of Normal	Normal July 1 to June 30
	Inches	Percent	Inches	Percent	Inches
NORTH COAST					
Eureka	48.50	122	35.21	89	39.76
Ukiah	44.78	125	28.00	78	35.94
Santa Rosa	21.62	73	22.47	77	29.25
Lakeport	40.73	143	21.81	76	28.52
St. Helena	28.90	84	23.15	70	33.11
CENTRAL COAST					
San Francisco AP	17.08	88	16.98	87	19.53
San Jose	13.43	102	13.07	100	13.11
Livermore	14.44	100	12.47	87	14.40
Salinas AP	8.01	57	8.80	62	14.14
King City	8.38	80	8.77	84	10.46
Paso Robles AP	8.75	71	7.80	64	12.25
SACRAMENTO VALLEY					
Red Bluff AP	22.87	104	15.99	72	22.06
Willows	20.20	114	14.15	80	17.70
Chico	26.25	101	Missing	---	26.06
Marysville	25.12	122	15.55	76	20.59
Woodland	19.06	110	16.53	96	17.28
Sacramento AP	14.36	83	10.66	62	17.22
SAN JOAQUIN VALLEY					
Stockton AP	12.43	87	10.84	76	14.17
Merced	10.36	85	8.81	73	12.12
Fresno AP	7.61	74	7.94	78	10.24
Five Points	3.89	60	Missing	---	6.53
Kettleman Station	4.84	78	3.85	62	6.24
Porterville	7.24	66	Missing	---	11.06
Bakersfield AP	5.10	89	4.04	71	5.72
SOUTH COAST					
Santa Maria AP	8.32	68	8.54	70	12.25
Santa Barbara AP	15.04	96	11.70	75	15.60
Oxnard	9.03	61	10.65	72	14.75
Los Angeles	10.42	74	11.36	81	14.06
Riverside	6.04	61	7.26	73	9.92
Corona	7.04	57	Missing	---	12.42
San Diego AP	5.71	60	9.65	102	9.45
SOUTHEASTERN INTERIOR					
Bishop AP	3.71	65	2.39	42	5.72
Lancaster	4.43	65	6.95	102	6.80
Daggett AP	4.63	99	4.08	87	4.70
Thermal AP	1.10	38	3.54	121	2.93
Blythe AP	3.39	86	6.54	165	3.96
Imperial	2.07	73	2.99	102	2.84
CASCADE-SIERRA					
Tulelake	14.76	145	9.81	96	10.21
Alturas	15.11	118	Missing	---	12.82
Mt. Shasta City	26.86	72	28.13	75	37.49
Blue Canyon AP	67.62	100	47.63	70	67.58
Yosemite Valley	29.00	79	24.81	68	36.51
Huntington Lake	46.15	142	33.90	104	32.45

SOURCE: National Weather Service Office, Sacramento, CA

DIRECTOR'S OFFICE

Director ..... Clare Berryhill
Chief Deputy Director ..... George J. Gomes
Administrative Assistant ..... Betty Taylor
Deputy Director ..... Hans Van Nes
Associate Director ..... Rex Magee
Administrative Assistant and
Office Manager ..... Donna Bardaro
Legislative Coordinator ..... Marilynn Bonin
Legislative Assistant ..... Janice Strong
Administrative Adviser ..... Herbert L. Cohen
Affirmative Action Officer ..... Richard Sanchez
International Trade and
Agricultural Economics ..... Harry J. Krade
Communications Office ..... Jan Wessell

REGIONAL COORDINATORS

North ..... Richard E. DeVol
South ..... Edward L. Dietz, Jr.

DIVISION AND STAFF FUNCTIONS

Administrative Services,
Division of ..... Gloria Harmon
Assistant Director
Human Resources Branch Chief ..... Shamin Khan
Agricultural Resources ..... Vashek Cervinka
Crime Prevention and Safety Office ..... O. W. Hooton
Departmental Services ..... Richard Knoll
Electronic Data Processing ..... Vacant
Women's Program Officer ..... Jana Cortez
Training ..... Ken Klein
Labor Relations ..... Sis Narramore
Audits ..... Jo Clymer
Financial Services Branch Chief ..... Karen Downs
Accounting Services ..... Ron Morford
Budget ..... George Deese
Business Services ..... Betty Furrer

Animal Industry, Division of ..... Dr. Patton L. Smith
Assistant Director
Animal Health ..... Dr. L. C. Vanderwagen
Livestock Identification ..... Del Pedro
Meat Inspection ..... Dr. L. G. Billingsley
Milk and Dairy Foods Control ..... Richard Tate
Veterinary Laboratory Services ..... Dr. J. S. Orsborn

Fairs and Expositions,
Division of ..... Ester Armstrong
Assistant Director

DIVISION AND STAFF FUNCTIONS (continued)

Inspection Services, Division of ..... Ezio F. Delfino
Acting Assistant Director
Chemistry Laboratory Services ..... George Tichelaar
Feed, Fertilizer, and Livestock
Drugs ..... James H. Helmer
Fruit and Vegetable Quality Control
Egg Quality Control ..... Ardie Ferrill
Processing ..... John Wiley
Shipping Point Inspection ..... Marvin Boring
Standardization ..... Reginald Marcellino
Grain and Commodity Inspection ..... David E. Edmiston

Marketing Services, Division of ..... Jed A. Adams
Assistant Director
Agricultural Statistics Branch ..... L. Odell Larson
Market Enforcement Branch ..... George A. Reese
Market News Branch ..... Gordon Heitzel
Marketing Branch ..... Richard E. Gassman
Direct Marketing Program ..... Les Portello
Milk Marketing Enforcement
Branch ..... David Ikari, Acting
Milk Pooling Branch ..... Glenn T. Gleeson
Milk Stabilization Branch ..... David Ikari, Acting

Measurement Standards,
Division of ..... Darrell Guensler
Acting Assistant Director

Pest Management, Environmental
Protection and Worker Safety,
Division of ..... Lori Johnston
Assistant Director
Environmental Monitoring and
Pest Management ..... Ronald Oshima
Information Services ..... Barbara Bunn
Pesticide Enforcement ..... James Wells
Pesticide Registration and
Agricultural Productivity ..... Olaf Leifson
Worker Health and Safety ..... Keith T. Maddy

Plant Industry, Division of ..... Isi A. Siddiqui
Assistant Director
Analysis and Identification ..... Sam Gotan, Acting
Control and Eradication ..... Robert C. Roberson
Pest Detection/ Emergency Projects ..... Don Henry
Pest Exclusion ..... Howard Ingham, Acting

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Sacramento

CALIFORNIA COUNTY AGRICULTURAL COMMISSIONERS

ALAMEDA	Michael A. Greene	224 W. Winton Avenue, Rm. 184, Hayward, 94554	415-881-6345
AMADOR	David A. Thompson, Jr.	Amador Co. Airport Bldg., Sutter Hill, Jackson, 95642	209-223-3230 Ext. 481
BUTTE	Joe E. Bandy	316 Nelson Avenue, Oroville, 95965	916-534-4381
CALAVERAS	Jearl Howard	County Government Center, El Dorado Road, San Andreas, 95249	916-458-5867
COLUSA	Wilber C. Disney, Jr.	100 Sunrise Blvd., Suite F, Colusa, 95932	916-458-5867
CONTRA COSTA	John H. De Fremery	161 John Glenn Drive, Buchanan Airport, Concord, 94520	415-671-4250
DEL NORTE	Donald W. Bush	2650 Washington Blvd., Crescent City, 95531	707-464-7231
EL DORADO	Edio P. Delfino	311 Fair Lane, Placerville, 95667	916-626-2305
FRESNO	Cosmo C. Insalaco	1730 S. Maple Avenue, Fresno, 93702	209-488-3510
GLENN	Ed Romano	720 N. Colusa Street, Willows, 95988	916-934-4651
HUMBOLDT	John Falkenstrom	5630 S. Broadway, Eureka, 95502	707-445-7057
IMPERIAL	Claude M. Finnell	150 S. Ninth Street, El Centro, 92243	619-339-4314
INYO	Donald R. Muse	County Services Bldg., 207 W. South Street, Bishop, 93514	619-873-5891
KERN	Robert A. Edwards	2610 M Street, Bakersfield, 93302	805-861-2306
KINGS	M. Hugh Handley	280 Campus Drive, County Government Center, Hanford, 93230	209-582-3211 Ext. 2830
LAKE	Don Tompkins	883 Lakeport Blvd., Lakeport, 95453	707-263-2271
LASSEN	Frederic L. Evans	175 Russell Avenue, Susanville, 96130	916-257-8311
LOS ANGELES	Paul B. Engler	3400 La Madera Avenue, El Monte, 91732	818-575-5451
MADERA	Donald O. Cripe	332 Madera Avenue, Madera, 93637	209-675-7876
MARIN	William Blackwell	Marin County Civic Center, Room 422, San Rafael, 94903	415-499-6349
MARIPOSA	Donald O. Cripe	P.O. Box 905, Madera, 95338	209-966-2075
MENDOCINO	R. Andy De Grassi	579 Low Gap Road, Court House, Ukiah, 95482	707-463-4208 Ext. 278
MERCED	Mike J. Tanner	2139 W. Wardrobe Avenue, Merced, 95340	209-385-7431
MODOC	Clinton Greenbank	202 W. 4th Street, Alturas, 96101	916-233-2225
MONO	Donald R. Muse	County Services Bldg., 207 W. South Street, Bishop, 93514	619-873-5891
MONTEREY	Richard W. Nutter	210 Wilgart Way, Salinas, 93901	408-758-3876
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NEVADA	John Taylor	Veterans Memorial Bldg., 225 S. Auburn Street, Grass Valley, 95945	916-273-2648
ORANGE	William Fitchen	1010 S. Harbor Blvd., Anaheim, 92805	714-774-0284
PLACER	John H. Wilson	11477 E. Avenue, Auburn, 95603	916-823-4371
PLUMAS	Frederick H. Surber	Fairgrounds Road, Rt. 1, Box 230-A, Quincy, 95971	916-283-1155
RIVERSIDE	E. Leon Spaugy	4080 Lemon Street, Room 19, Riverside, 92501	714-787-2561
SACRAMENTO	Leland Brown	4137 Branch Center Road, Sacramento, 95827	916-366-2003
SAN BENITO	Mark A. Tognazzini	3220 Southside Road, Hollister, 95023	408-637-5344
SAN BERNARDINO	Roger L. Birdsall	777 E. Rialto Avenue, San Bernardino, 92415	714-383-1447
SAN DIEGO	Kathleen Thuner	5555 Overland Avenue, Building 3, San Diego, 92123	619-565-5789
SAN FRANCISCO	R. L. Bozzini	501 Army Street, Suite 109-A, San Francisco, 94124	415-558-3284
SAN JOAQUIN	Erwin B. Eby	1868 E. Hazelton Avenue, Stockton, 95201	209-944-2225
SAN LUIS OBISPO	Richard D. Greek	2156 Sierra Way, Suite A, San Luis Obispo, 93401	805-549-5910
SAN MATEO	George Ginilo	Agriculture Building, 728 Heller St., Redwood City, 94064	415-363-4700
SANTA BARBARA	Ronald M. Gilman	263 Camino Del Remedio, Santa Barbara, 93110	805-964-8862
SANTA CLARA	Greg Van Wassenhove	1553 Berger Drive, Building 1, San Jose, 95112	408-299-2171
SANTA CRUZ	Lenord Croft, Jr.	1430 Freedom Blvd, Watsonville, 95076	408-724-1149
SHASTA	Kenneth W. Wright	3179 Bechelli Lane, Suite 210, Redding, 96002	916-225-5656
SIERRA	Frederick H. Surber	Fairgrounds Road, Rt. 1, Box 230-A, Quincy, 95971	916-283-1155
SISKIYOU	Edmond W. Hale	525 S. Foothill Drive, Yreka, 96097	916-842-3531 Ext. 80
SOLANO	John Donahue	2000 W. Texas Street, Fairfield, 94533	707-429-6465
SONOMA	Edward Urban	2604 Ventura Avenue, Room 101, Santa Rosa, 95401	707-527-2548
STANISLAUS	A. Hugh Sinclair	725 County Center Three Ct., Modesto, 95355	209-571-6584
SUTTER	Alfred C. Perrin, Jr.	142 Garden Highway, Yuba City, 95991	916-674-2851
TEHAMA	Donald R. Hill	1760 Walnut Street, Red Bluff, 96080	916-527-4504
TRINITY	Paul E. Smith	Civil Defense Hall, Basement, Weaverville, 96093	916-623-4000 Ext. 356
TULARE	Clyde R. Churchill	County Civic Center, Visalia, 93277	209-733-6391
TUOLUMNE	Gerald A. Beninoasa	2 South Green Street, Sonora, 95370	209-533-5691
VENTURA	W. Earl McNeill	815 Santa Barbara Street, Agricultural Building, Santa Paula, 93060	805-525-3371
YOLO	Raymond J. Perkins	70 Cottonwood Street, Woodland, 95695	916-666-8141
YUBA	Earnie E. Vickrey	935 14th Street, Marysville, 95901	916-741-6484